



Service Letter SL-0009

Technical Portions FAA Approved

Epic Aircraft, LLC ♦ 22590 Nelson Road ♦ Bend OR 97701
Phone: 541-318-8849 ♦ Fax: 541-382-5125 ♦ Web: www.epicaircraft.com

Subject: Nitrogen Fitting Replacement

ATA-Code: 29-10

Labor: 2 hours

Effectivity: K003 and on

Affected Model(s): E1000, E1000 GX.

Due: Next scheduled maintenance event

Compliance: Recommended

Recurrence: No

1 **BACKGROUND AND PURPOSE:**

It has been found that there may be a manufacturing defect with the nitrogen bottle pressure transducer adapter fitting, indicating that the adapter fitting may not have adequate thread engagement. In affected aircraft, this defect may cause a leak. This Service Letter gives the procedure to install a new fitting.

2 **REFERENCES:**

Epic E1000 Aircraft Maintenance Manual, PN SK05000000

3 **WARRANTY:**

Contact Epic Flight Support Parts Department for the new fitting:
Email parts@epicflightsupport.com, or call (541) 716-0066.

For aircraft under warranty, parts and labor will be covered by Epic Aircraft, LLC if the work is performed within the compliance period and at an Authorized E1000 Service Center.

4 **TOOLS:**

<u>No.</u>	<u>Description</u>	<u>Qty</u>	<u>Epic Aircraft Supplied</u>	<u>Customer Supplied</u>
1.	Common hand tools	AR	<input type="checkbox"/>	<input checked="" type="checkbox"/>

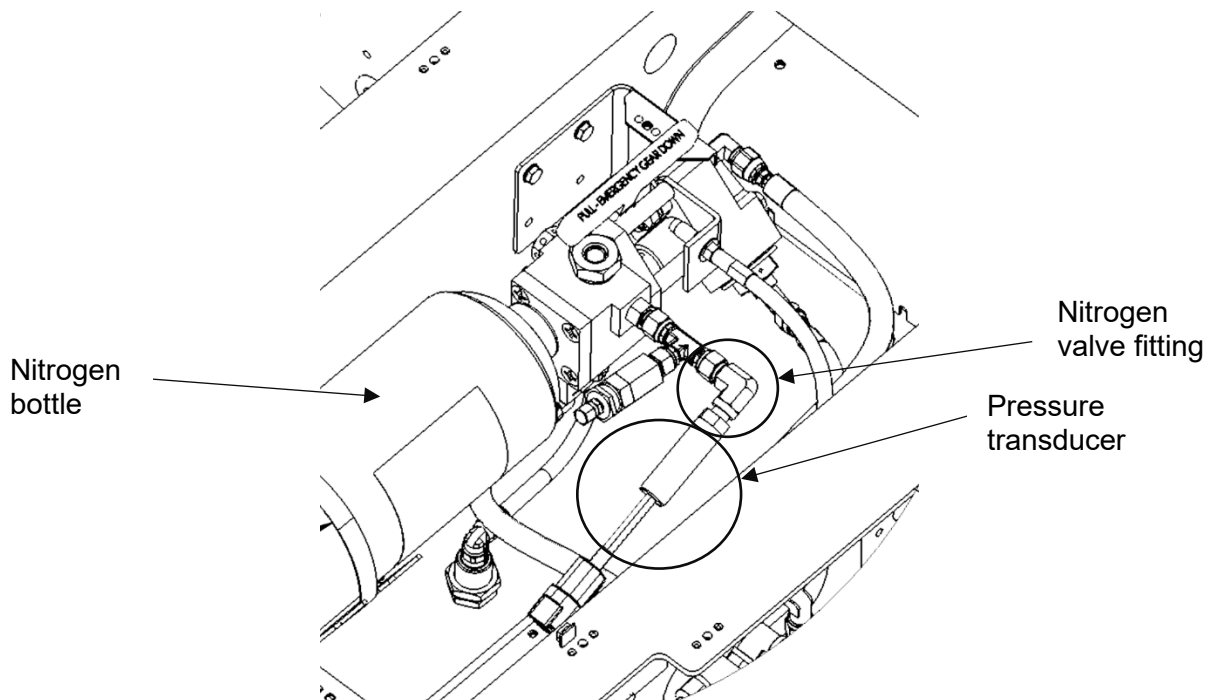
5 **PARTS/MATERIALS:**

<u>No.</u>	<u>Part Number</u>	<u>Description</u>	<u>Qty</u>	<u>Epic Aircraft Supplied</u>	<u>Customer Supplied</u>
1.	4 DTX-SS	Parker gauge fitting	1	<input checked="" type="checkbox"/>	<input type="checkbox"/>

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6 INSTRUCTIONS:

1. Set the BATT 1 and BATT 2 switches to OFF.
2. Remove all external electrical power to the airplane (refer to Epic E1000 Aircraft Maintenance Manual, PN SK05000000, chapter 24-40).
3. Open the access door to the compartment between the pilot and copilot seats.
4. Remove fire extinguisher.
5. Unscrew the tray from the compartment and remove the tray.
6. Check all other fittings for leaks using soapy water solution before draining the nitrogen bottle. Repair any leaks.
7. Drain the emergency landing gear extension bottle using the service valve.
8. Remove the pressure transducer from the adapter fitting.



9. Remove the elbow and adapter fitting. Note the angle of the elbow fitting in the T-fitting for reinstallation.
10. Install the 4 DTX-SS in the T-fitting using the same angle as the previous fitting; torque to 135–150 in-lbs.
11. Wrap the NPT threads of the pressure transducer with 2–3 wraps on PTFE tape; do not tape within 2 threads of the opening.
12. Install the pressure transducer to the elbow and torque it to 30 ft-lbs.
13. Connect electrical connector.

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14. Service the nitrogen bottle (refer to Epic E1000 Aircraft Maintenance Manual, PN SK05000000, chapter 12-20).
15. Perform a leak check with soapy water to verify that the fitting is not leaking.
16. Connect ground power (refer to Epic E1000 Aircraft Maintenance Manual, PN SK05000000, chapter 24-40).
17. Set the BATT 1 and BATT 2 switches to ON.
18. Ensure that the nitrogen pressure reading (N2PRES) on the MFD is indicating correctly.
19. Set the BATT 1 and BATT 2 switches to OFF.
20. Remove all external electrical power to the airplane (refer to Epic E1000 Aircraft Maintenance Manual, PN SK05000000, chapter 24-40).
21. Reinstall the tray and fire extinguisher.
22. Close the access door to the compartment.

7 WEIGHT AND BALANCE:

Negligible

8 PUBLICATIONS AFFECTED:

Epic E1000 Aircraft Maintenance Manual, PN SK05000000

9 RECORD COMPLIANCE:

Make appropriate entry in airplane maintenance records.

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Appendix A: Compliance Letter

Please complete and mail this form to Customersupport@epicaircraft.com

This is to certify that I have completed the work in accordance with the Epic Aircraft, LLC Service Bulletin.

Aircraft Owner Information:

Date: _____ Aircraft Serial Number: _____ Aircraft Reg. Number: _____

Owner's Name: _____

Maintenance Entity Information

Name of Shop Performing the work: _____

Name of Person(s) Performing inspection and/or work: _____

Phone Number: _____ Email: _____

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